

Baseline Gas Injection molded Back panel Design

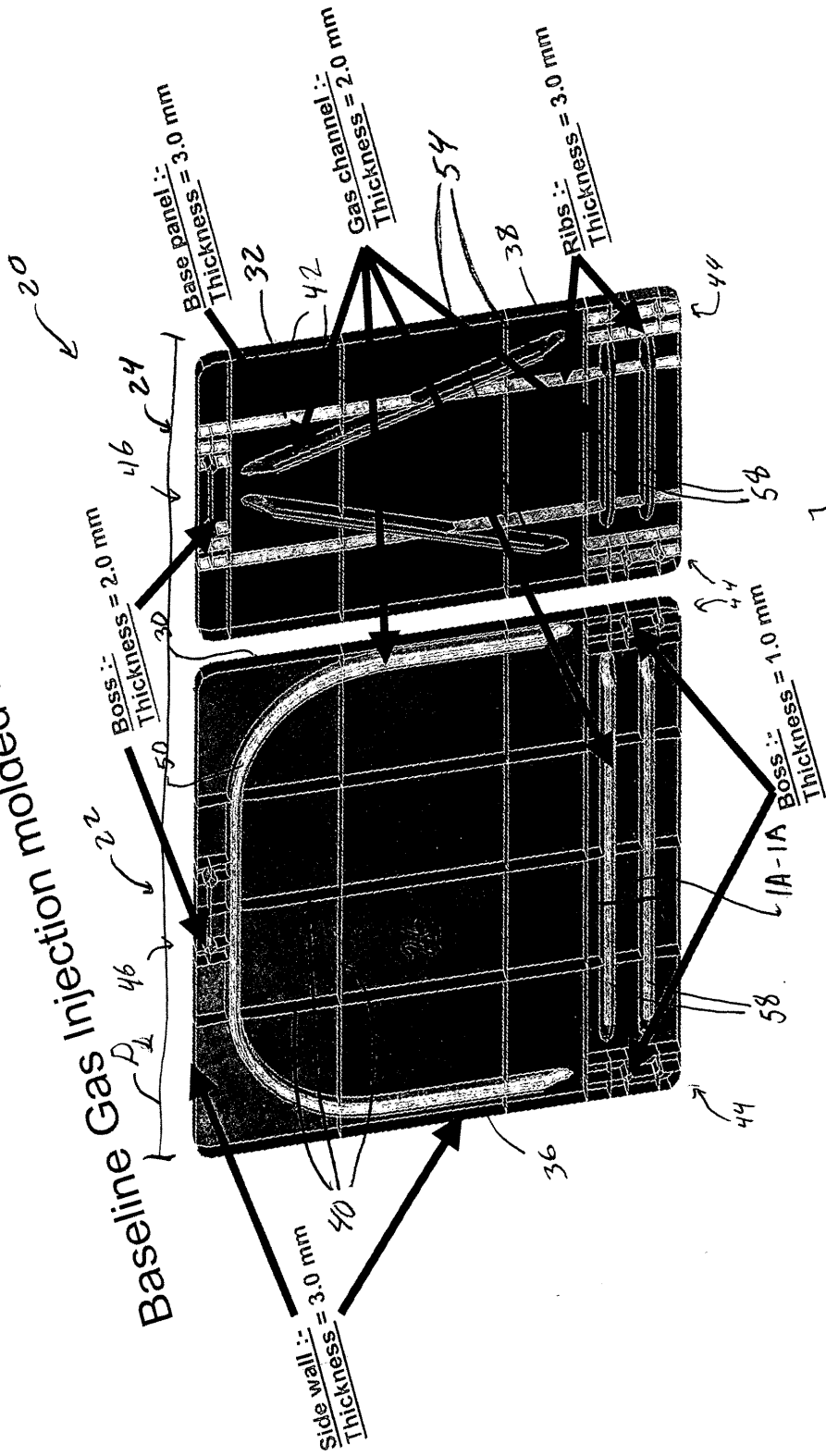


Fig. 1



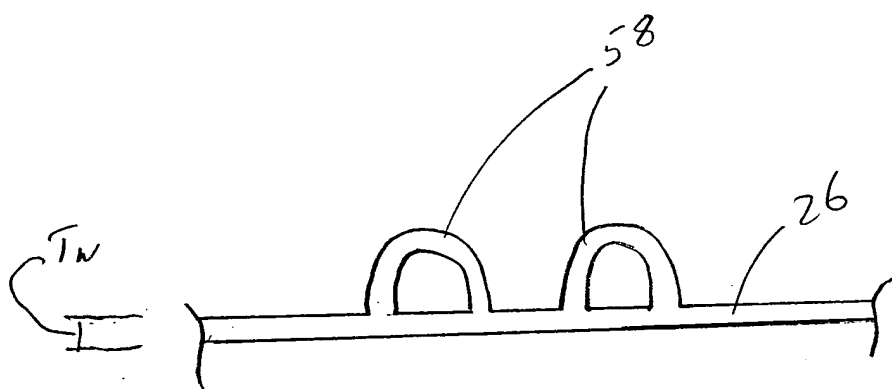
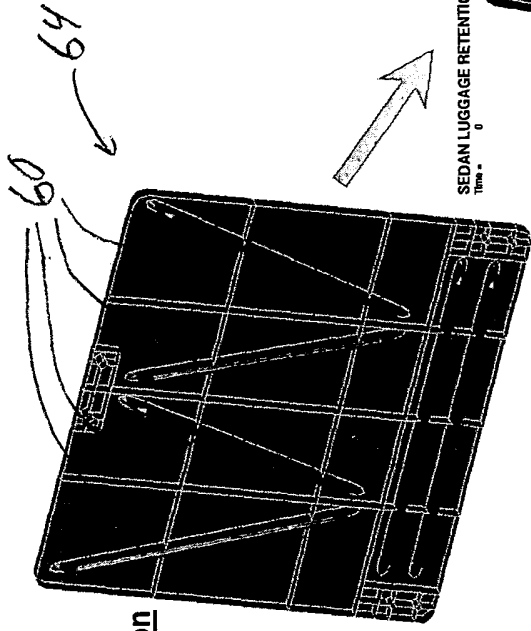


Fig. 1A

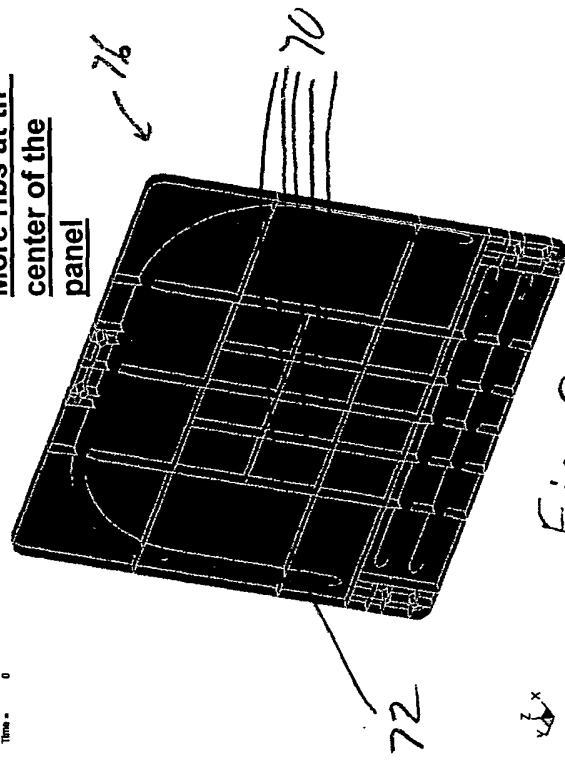
Gas Injection molded 60 % Seat back- Design iterations

SEDAN LUGGAGE RETENTION WITH W PATTERN
Time 0



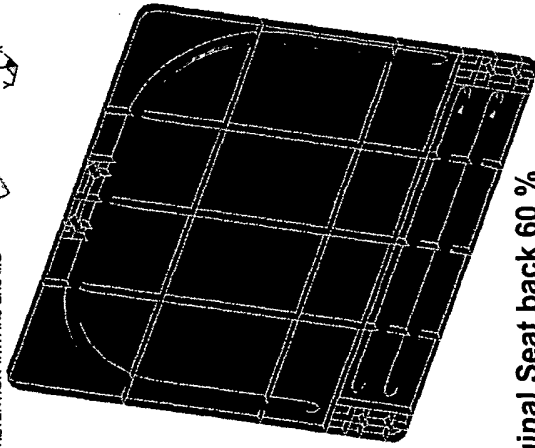
Seat back with W-shape
gas channel configuration

SEDAN LUGGAGE RETENTION WITH ADDED RIBS
Time 0



Seat back with
More ribs at th
center of the
panel

SEDAN LUGGAGE RETENTION WITH INJ GAS MO
Time 0



Original Seat back 60 %

Fig. 2

Fig. 3

Gas Injection molded Seat back- Connection of L-Brackets

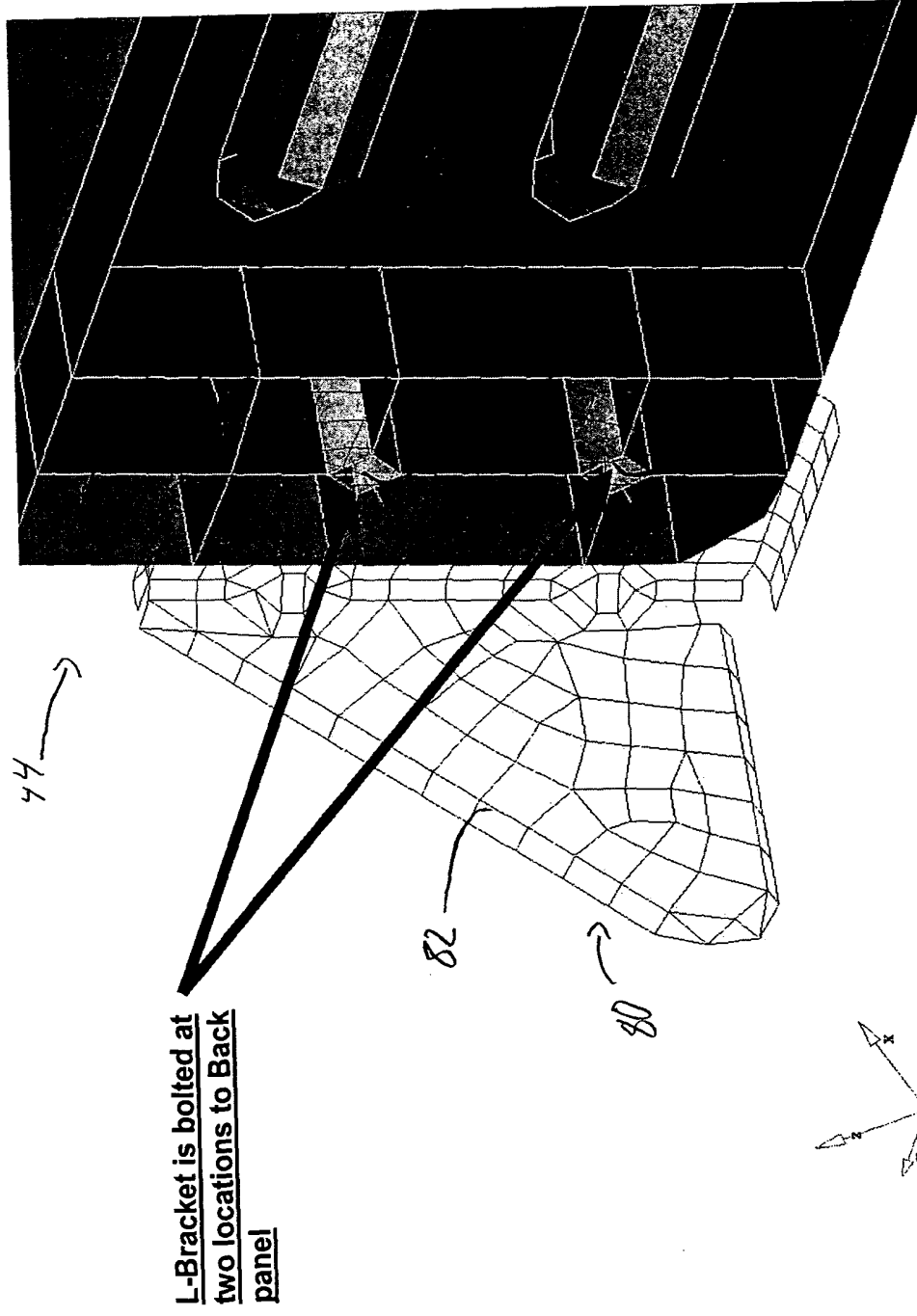


Fig. 4

Model Set-up for Sedan Seat With 3 Tack Off's Per Seatback (Blow Molded Seat Shown)

102
106

104, D_c

2nd Generation Interface

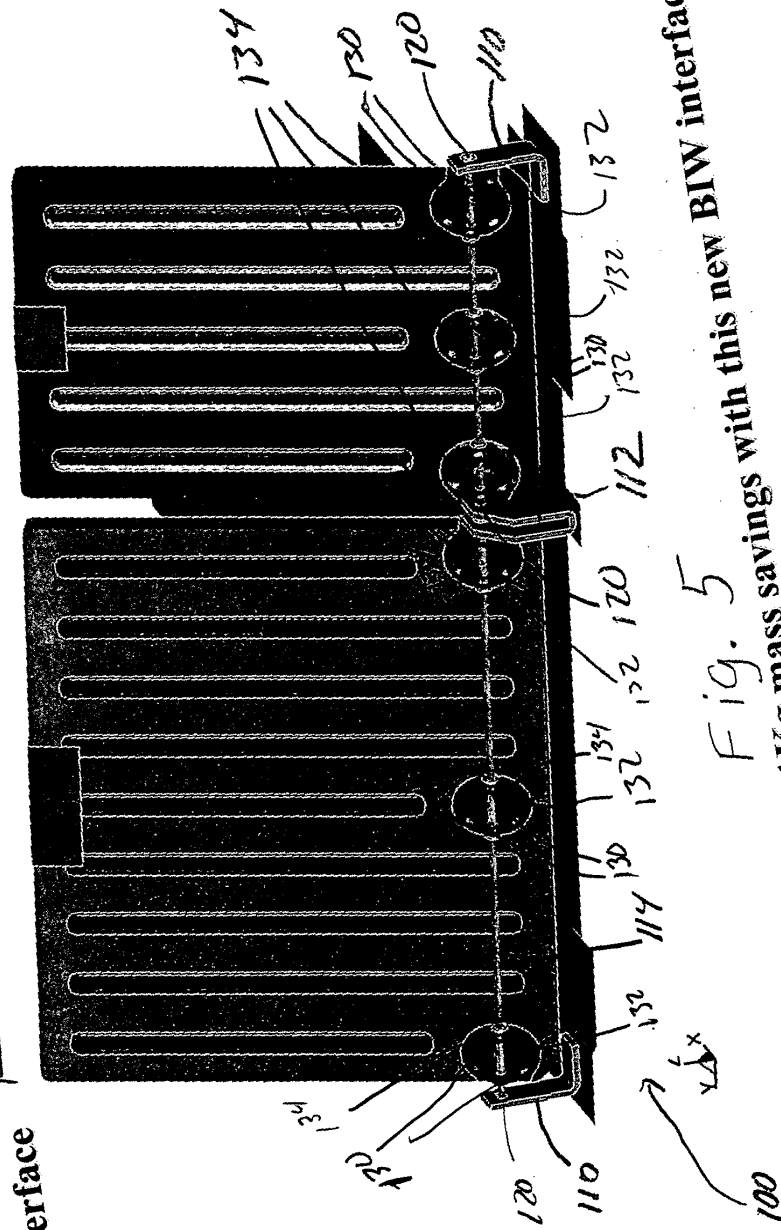


Fig. 5
Potential additional 1Kg mass savings with this new BIW interface